

PATENT  
Attorney Docket No.: PD-970636A  
Customer No.: 020991

1c971 U.S. PTO  
10/010521  
12/07/01  
#2  
2-9-02  
mm

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	:	
DOUGLAS M. DILLON, ET AL.	)	Examiner: W. Benson
	:	
Appln. No.: Unassigned (Divisional of	)	Group Art Unit: 2153
09/233,343 filed	:	
January 19, 1999)	)	
	:	
Filed: December 7, 2001	)	
	:	
For: METHOD AND APPARATUS	)	December 7, 2001
FOR SELECTIVELY	:	
ALLOCATING AND	)	
ENFORCING BANDWIDTH	:	
USAGE REQUIREMENTS ON	)	
NETWORK USERS	:	

**BOX PATENT APPLICATION**  
Commissioner for Patents  
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 CFR 1.56 and in accordance with the practice under 37 CFR 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. The documents were cited in Application No. 09/233,343 filed January 19, 1999 ("the '343 Application"). Copies of the listed documents should be available in the '343 Application under 37 CFR 1.98(d).

REMARKS

Each of the listed Japanese documents on Sheet 1 of the Form PTO-1449 was cited in a Japanese Official Action of a counterpart foreign patent application corresponding to Application No. 08/257,670 filed June 8, 1994 (the "'670 Application"), which was referenced at page 1 of the specification of the above-referenced application. The Official Action was mailed on November 21, 2000. The Official Action and a translation thereof are enclosed. The documents cited in the Official Action may be pertinent for the reasons noted therein.

U.S. Patent Nos. 4,775,974, 4,793,813, 5,157,662 and European Patent Document No. 0 483 547 were cited in the European Communication of a counterpart foreign patent application corresponding to the '670 Application. The European Communication was mailed on March 14, 2001. A copy of the Communication is enclosed.

Further, each of JP-A-62-189823, JP-A-5-252165, JP-B2-4-148411, and JP-A-63-107254 was cited in a Japanese Official Action of a counterpart foreign patent application corresponding to the '670 Application. The Official Action was mailed on April 3, 2001. A translation of the Official Action is enclosed. The documents cited in the Official Action may be pertinent for the reasons noted therein.

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CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached at (301) 428-7172. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "J. Whelan", followed by the date "12/07/01".

John T. Whelan  
Attorney for Applicants  
Registration No. 32,448

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**LIST OF REFERENCES CITED BY APPLICANT(S)**  
(Use several sheets if necessary)

Date Submitted to PTO: **December 7, 2001**

ATTY. DOCKET NO.

**PD-N970636A**

APPLICATION NO.

Divisional of 09/233,843

## APPLICANTS

DOUGLAS M. DILLON, ET AL.

FILING DATE

**December 7, 2001**

GROUP

2153

U.S. PATENT DOCUMENTS

*EXAMINER'S INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,534,913	07/09/96	MAJETI, ET AL.	348	7	
		5,659,350	08/19/97	HENDRICKS, ET AL.	348	6	
		6,160,797	12/12/00	ROBERT, III ET AL.	370	316	
		4,018,993	04/19/77	EDSTRÖM	370	316	

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
		62-189823	08/19/87	JAPAN			ABSTRACT
		5-252165	09/28/93	JAPAN			ABSTRACT
		55-120249	09/16/80	JAPAN			ABSTRACT
		56-2765	01/13/81	JAPAN			ABSTRACT
		9-506226	06/17/97	JAPAN			ABSTRACT
		5-167565	07/02/93	JAPAN			ABSTRACT
		59-135948	08/04/84	JAPAN			ABSTRACT
		4-306934	10/29/92	JAPAN			ABSTRACT
		6-252896	09/09/94	JAPAN			ABSTRACT
		5-252085	09/28/93	JAPAN			ABSTRACT
		61-210745	09/18/86	JAPAN			ABSTRACT
		5-252087	09/28/93	JAPAN			ABSTRACT
		63-194426	08/11/88	JAPAN			ABSTRACT
		60-167533	08/30/85	JAPAN			ABSTRACT

EXAMINER

DATE CONSIDERED

*\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.*

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

ATTY DOCKET NO.

PD-N970636A

APPLICATION NO.

Divisional of 09/233,343

APPLICANTS

DOUGLAS M. DILLON, ET AL.

FILING DATE

D c m b r 7, 2001

GROUP

2153

Date Submitted to PTO: **December 7, 2001**

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,663,743	05/05/87	RAMPURIA, ET AL.	367	68	
		4,686,698	08/11/87	TOMPKINS, ET AL.	379	53	
		4,724,520	02/09/88	ATHANAS, ET AL.	364	200	
		4,775,974	10/04/88	KOBAYASHI	370	104	
		4,793,813	12/27/88	BITZER, ET AL.	434	335	
		4,847,892	07/11/89	SHELLEY	379	92	
		4,933,936	06/12/90	RASMUSSEN, ET AL.	370	85.9	
		5,101,478	03/31/92	FU, ET AL.	395	275	
		5,157,662	10/20/92	TADAMURA, ET AL.	370	110.1	
		5,193,151	03/09/93	JAIN	395	200	
		5,257,369	10/26/93	SKEEN, ET AL.	395	650	
		5,303,042	04/12/94	LEWIS, ET AL.	348	14	
		5,309,351	05/03/94	MCCAIN, ET AL.	364	132	
		5,347,304	09/13/94	MOURA, ET AL.	348	12	
		5,412,660	05/02/95	CHEN, ET AL.	370	110.1	
		5,465,213	11/07/95	ROSS	364	468	
		5,491,800	02/13/96	GOLDSMITH, ET AL.	395	200.12	
		5,564,076	10/08/96	AUVRAY	455	76	
		5,394,561	02/28/95	FREEBURG	455	13.1	
		5,526,404	06/11/96	WIEDEMAN, ET AL.	379	60	
		4,135,156	01/16/79	SANDERS, JR., ET AL.	325	4	

EXAMINER

DATE CONSIDERED

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FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. <b>PD-N970636A</b>		APPLICATION NO. <b>Divisional of 09/233,343</b>		
Date Submitted to PTO: <b>December 7, 2001</b>				APPLICANTS <b>DOUGLAS M. DILLON, ET AL.</b>		FILING DATE <b>December 7, 2001</b>		GROUP <b>2153</b>
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		4,599,647	07/08/86	GEORGE, ET AL.	358	122		
		4,720,873	01/19/88	GOODMAN, ET AL.	455	2		
		4,777,657	10/11/88	GILLASPIE	455	186		
		4,829,569	05/09/89	SETH-SMITH, ET AL.	380	10		
		5,019,910	05/28/91	FILMER	358	188		
		5,029,207	07/02/91	GAMMIE	380	10		
		5,058,138	10/15/91	FIGURA, ET AL.	375	88		
		5,101,267	03/31/92	MORALES-GARZA	358	84		
		5,223,923	06/29/93	MORALES-GARZA	358	84		
		5,237,610	08/17/93	GAMMIE, ET AL.	380	10		
		5,319,707	06/07/94	WASILEWSKI, ET AL.	380	14		
		5,335,276	08/02/94	THOMPSON, ET AL.	380	21		
		5,337,044	08/09/94	FOLGER, ET AL.	340	825.44		
		5,359,367	10/25/94	STOCKILL	348	552		
		5,387,994	02/07/95	MCCORMACK, ET AL.	359	159		
		5,400,401	03/21/95	WASILEWSKI, ET AL.	380	9		
		5,404,505	04/04/95	LEVINSON	395	600		
		5,420,866	05/30/95	WASILEWSKI	370	110.1		
		5,481,609	01/02/96	COHEN, ET AL.	380	16		
		5,506,904	04/09/96	SHELDRIK, ET AL.	380	23		
		5,594,782	01/14/97	ZICKER, ET AL.	379	63		
EXAMINER					DATE CONSIDERED			

FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. <b>PD-N970636A</b>		APPLICATION NO. <b>Divisional of 09/233,343</b>	
Date Submitted to PTO: <b>December 7, 2001</b>				APPLICANTS <b>DOUGLAS M. DILLON, ET AL.</b>			
				FILING DATE <b>D c m b r 7., 2001</b>		GROUP <b>2153</b>	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	4,358,672	11/09/82	HYATT, ET AL.	235	380		
	4,538,073	08/27/85	FREIGE, ET AL.	307	33		
	4,636,879	01/13/87	NARITA, ET AL.	360	72.2		
	4,680,688	07/14/87	INOUE, ET AL.	363	21		
	4,736,422	04/05/88	MASON	380	20		
	4,768,228	08/30/88	CLUPPER, ET AL.	380	20		
	4,802,215	01/31/89	MASON	380	21		
	4,918,653	04/17/90	JOHRI, ET AL.	364	900		
	4,940,963	07/10/90	GUTMAN, ET AL.	340	313		
	4,959,872	09/25/90	IMAI, ET AL.	455	164		
	5,038,265	08/06/91	PALADEL	363	65		
	5,111,504	05/05/92	ESSERMAN, ET AL.	380	21		
	5,131,010	07/14/92	DERRENCE, ET AL.	375	100		
	5,245,429	09/14/93	VIRGINIO, ET AL.	358	142		
	5,249,164	09/28/93	KOZ	358	21		
	5,293,250	03/08/94	OKUMURA, ET AL.	358	402		
	5,301,358	04/05/94	GASKILL, ET AL.	455	56.1		
	5,319,705	06/07/94	HALTER, ET AL.	380	4		
	5,319,712	06/07/94	FINKELSTEIN, ET AL.	380	44		
	5,341,425	08/23/94	WASILEWSKI, ET AL.	380	20		
	5,367,571	11/22/94	BOWEN, ET AL.	380	20		
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,394,469	02/28/95	NAGEL, ET AL.	380	4	
		5,404,583	04/04/95	LALEZARI, ET AL.	455	90	
		5,452,357	09/19/95	NACCACHE	380	25	
		5,483,466	01/09/96	KAWAHARA, ET AL.	364	514	
		5,483,595	01/09/96	OWEN	380	23	
		5,504,814	04/02/96	MIYAHARA	380	4	
		5,532,914	07/02/96	KAGEYAMA, ET AL.	363	50	
		5,548,753	08/20/96	LINSTEAD, ET AL.	395	600	
		5,568,554	10/22/96	EASTLAKE, 3 <sup>RD</sup>	380	25	
		5,590,200	12/31/96	NACHMAN, ET AL.	380	46	
		5,592,173	01/07/97	LAU, ET AL.	342	357	
		5,594,776	01/14/97	DENT	379	58	
		5,652,795	07/29/97	DILLON, ET AL.	380	25	
		5,634,190	05/27/97	WIEDEMAN	455	13.1	
		5,627,528	05/06/97	KUZNICKI	340	825.44	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
		62-221228	09/29/87	JAPAN			YES
		0 483 547	05/06/92	EUROPE			

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

		Brad Wood, "I Can't Get ISDN. Isn't There Another Way to Get Quick Access to the Web?", PC World, September 1996, pp. 264-265.
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## U.S. PATENT DOCUMENTS

*EXAMINER'S INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,085,241	07/04/00	Otis	709	223	
		6,125,177	9/26/00	Whittaker	379	243	
		6,137,777	10/24/00	Vaid, et al.	370	230	
		5,953,506	09/14/99	Kalra, et al.	395	200.61	
		5,764,641	06/09/98	Lin	370	412	
		6,078,564	06/20/00	Lakshman, et al.	370	235	
		6,078,953	06/20/00	Vaid, et al.	709	223	
		6,016,388	01/18/00	Dillon	395	200.72	
		5,799,002	08/25/98	Krishnan	370	234	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
		4-14811	03/16/92	JAPAN			Se C B I w
		61-70823	04/11/86	JAPAN			Se D Below
		63-107254	05/12/88	JAPAN			Se E Below

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	A	Patent Abstracts of Japan, Abstract for JP 62-189823, August 19, 1987.
	B	Patent Abstracts of Japan, Abstract for JP 5-252165, September 28, 1993.
	C	Partial Translation of JP 4-14811, March 16, 1992.
	D	Patent Abstracts of Japan, Abstract for JP-A-61-70823, April 11, 1986.
	E	Partial Translation and Abstract of JP-A-63-107254.

EXAMINER

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